

Fig. 1a

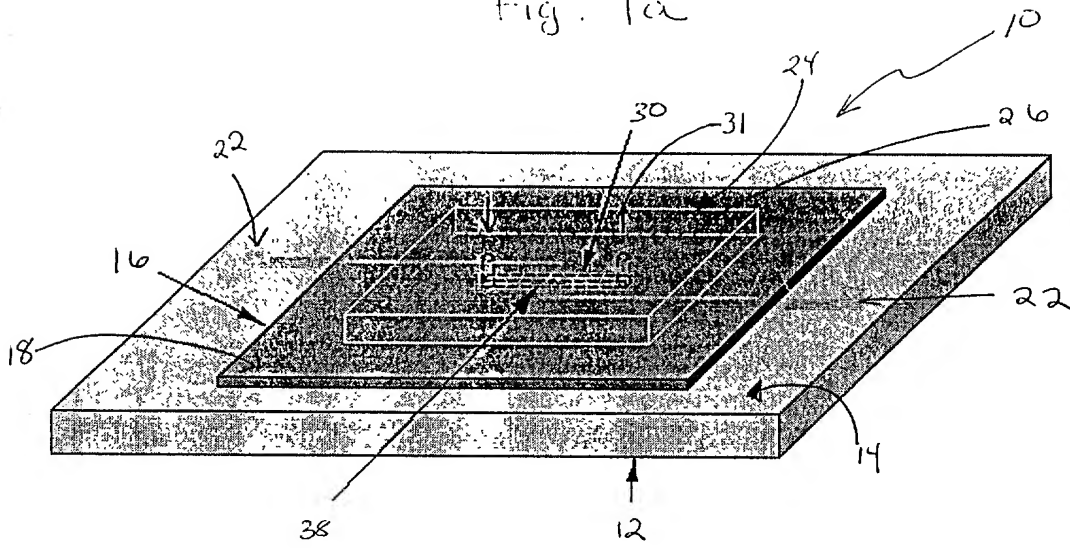
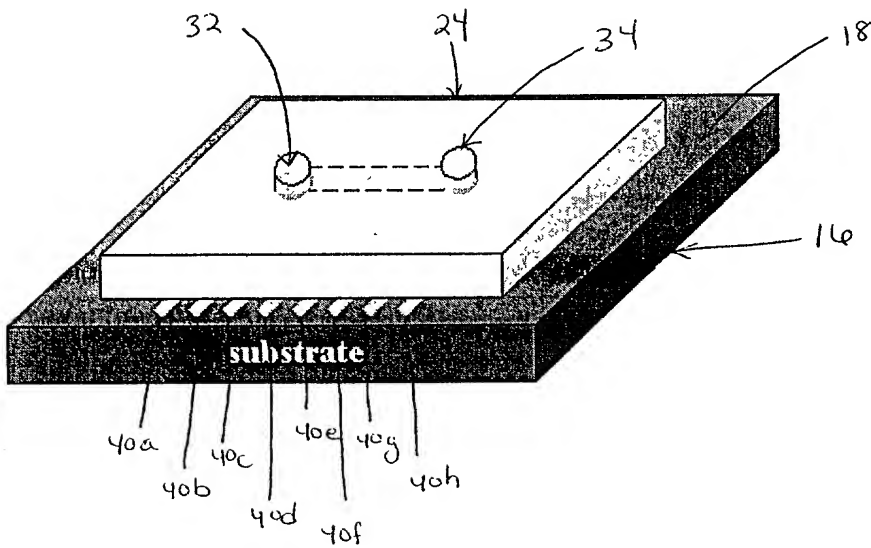


Fig 1b



10020004-121101

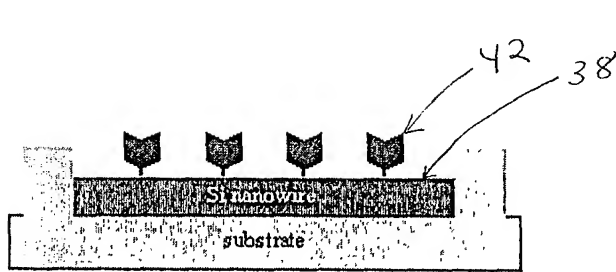


Figure 2a

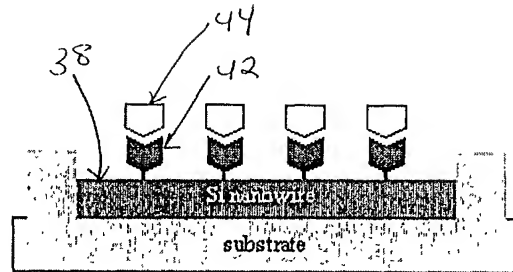


Figure 2b

Fig. 3a

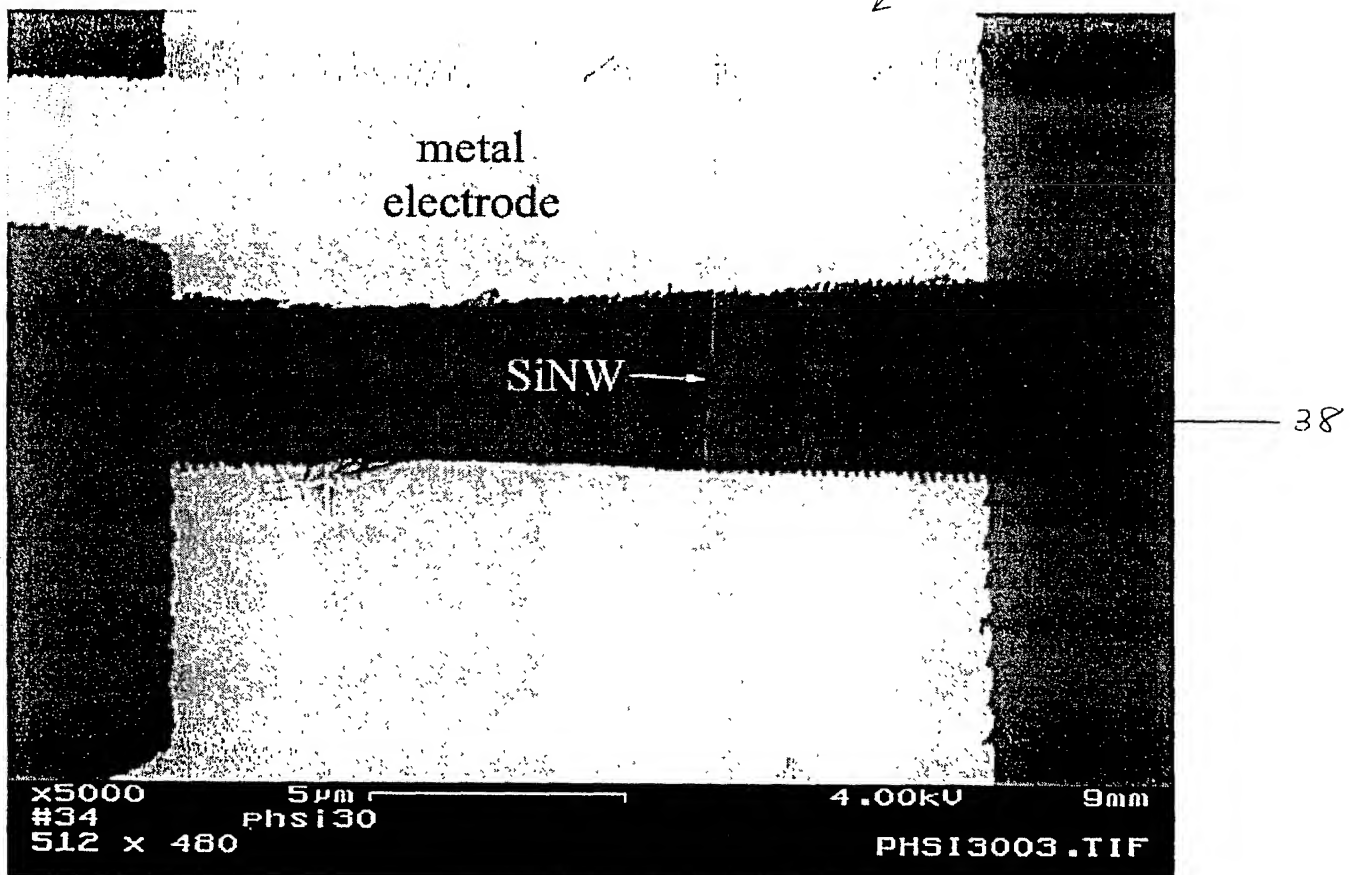
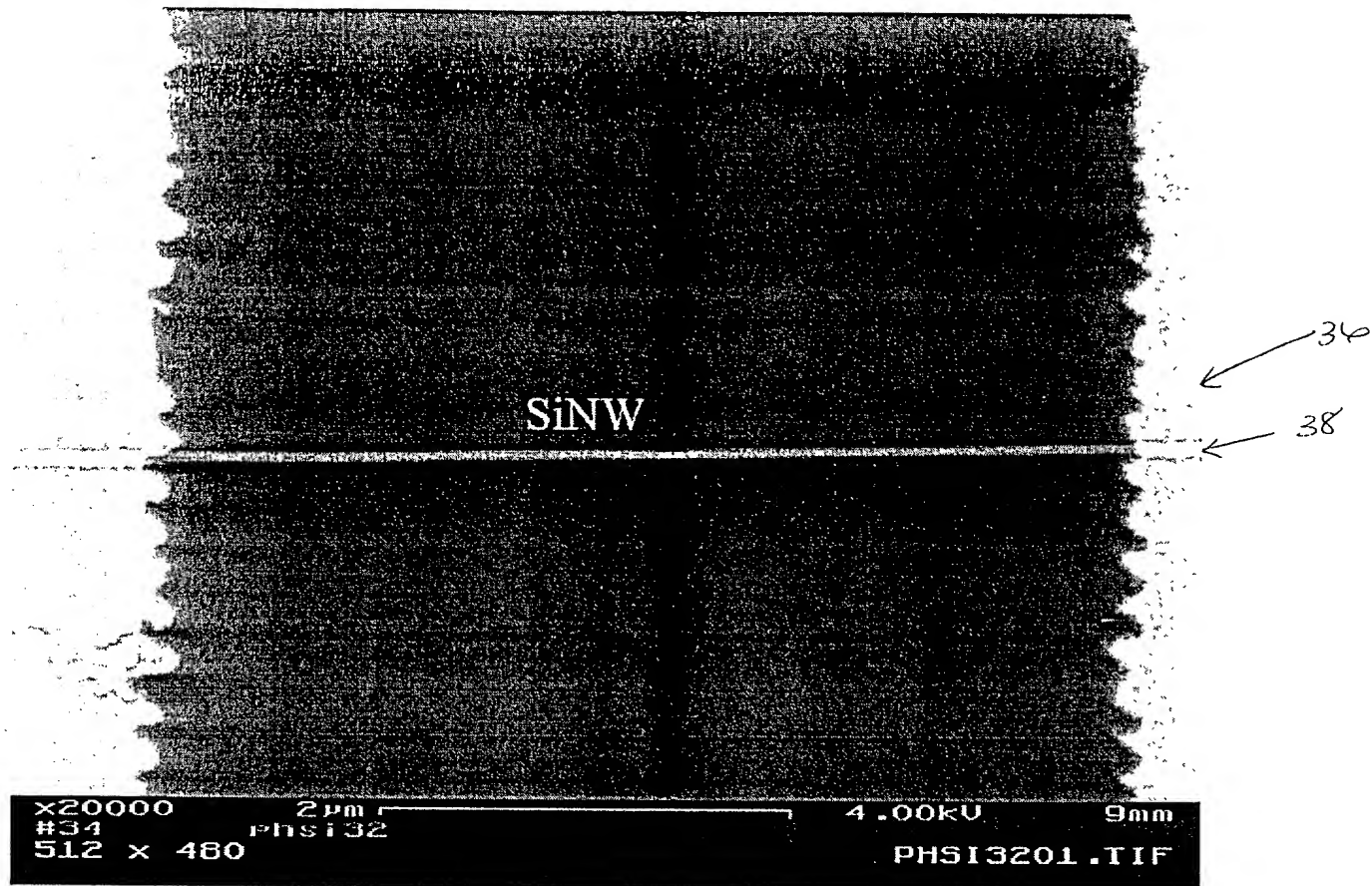


Fig 3b



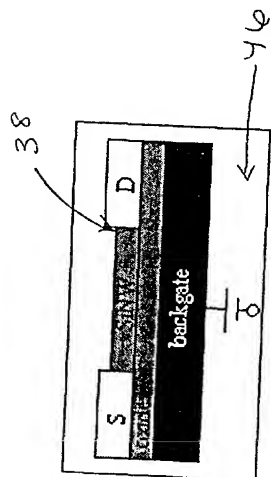
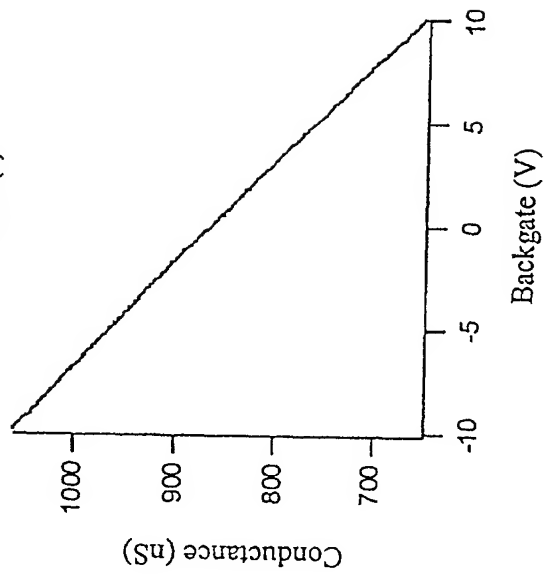
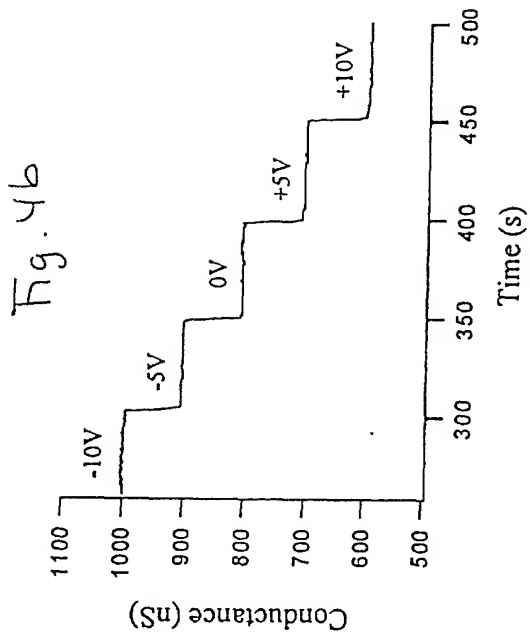


FIG. 5a

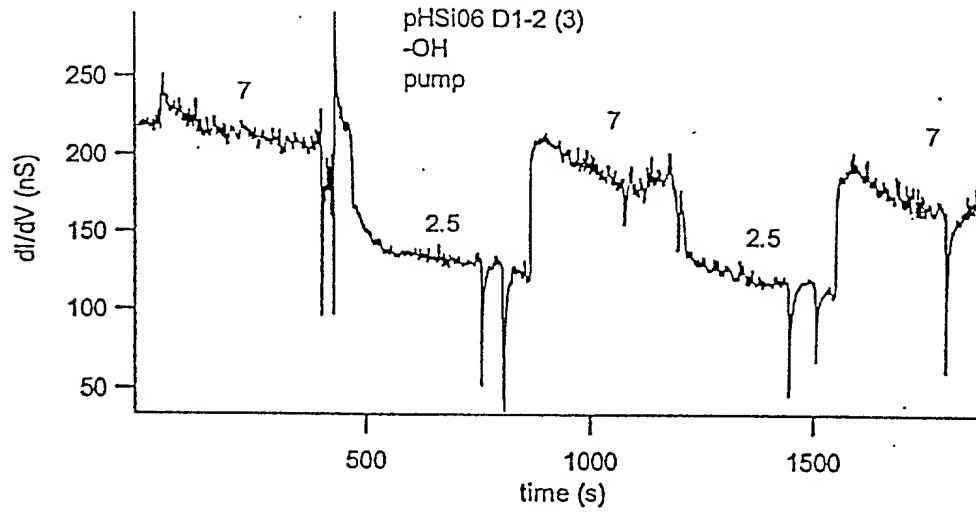


FIG. 5b

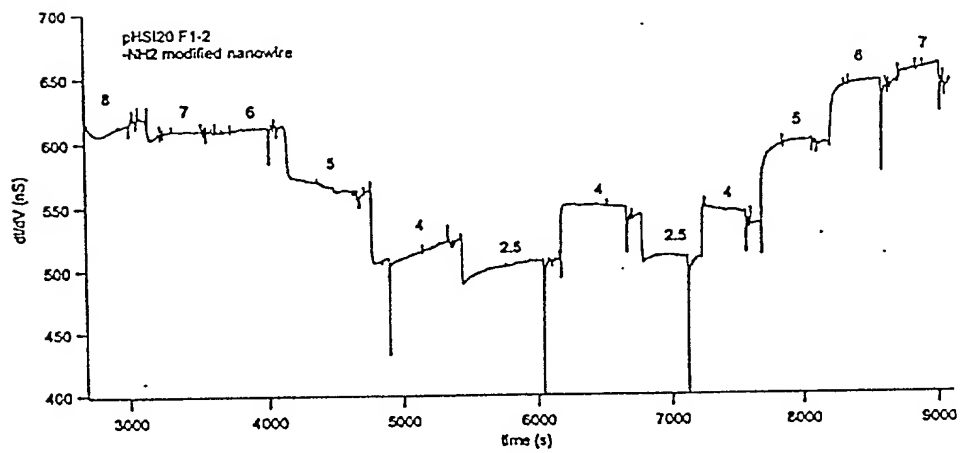


FIG. 6

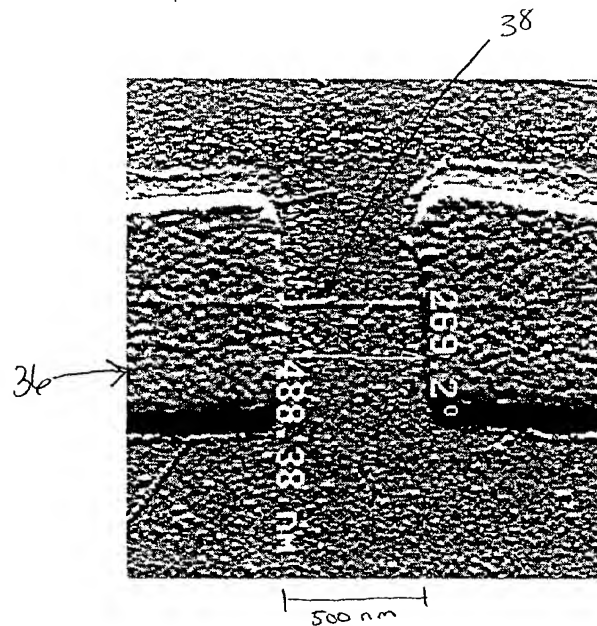
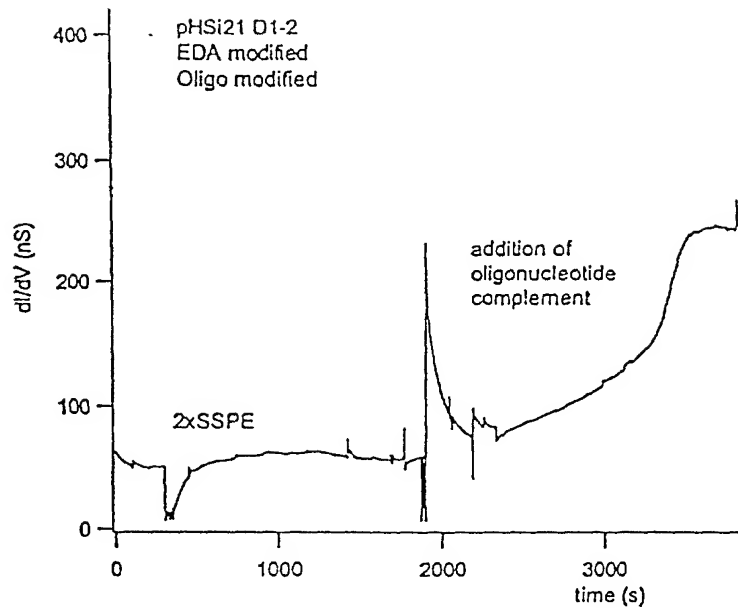


Fig. 7

FIG. 8a

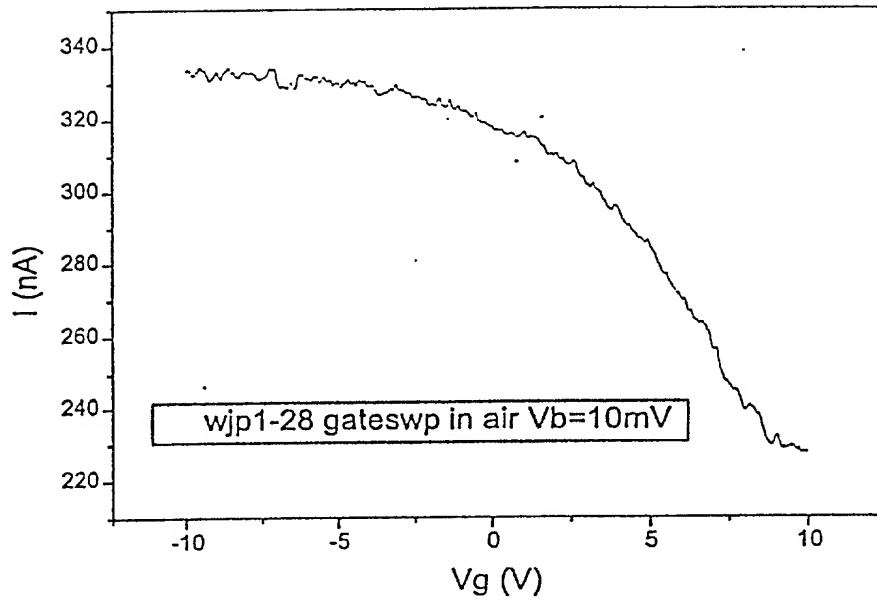


FIG. 8b

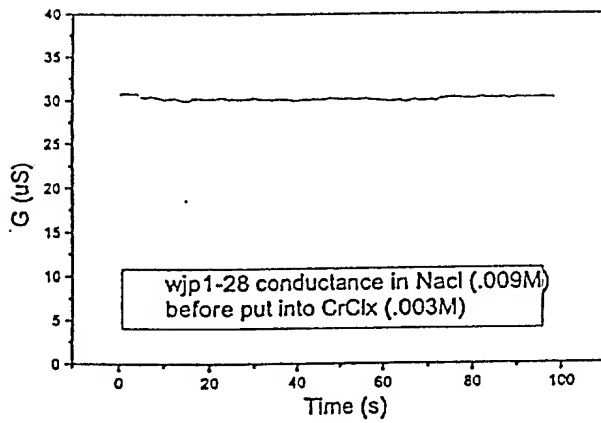


FIG. 8c

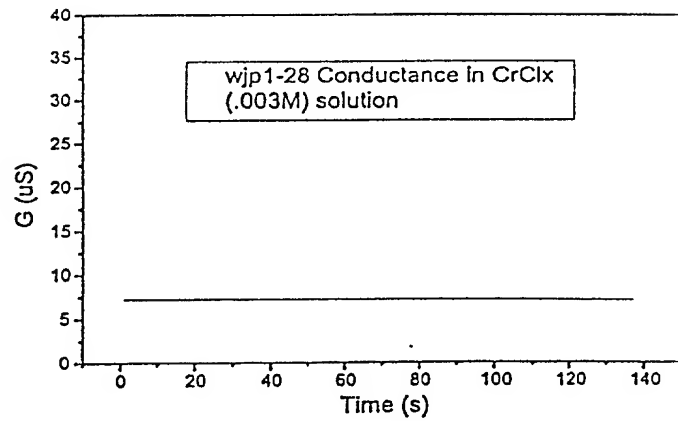


Fig 9A

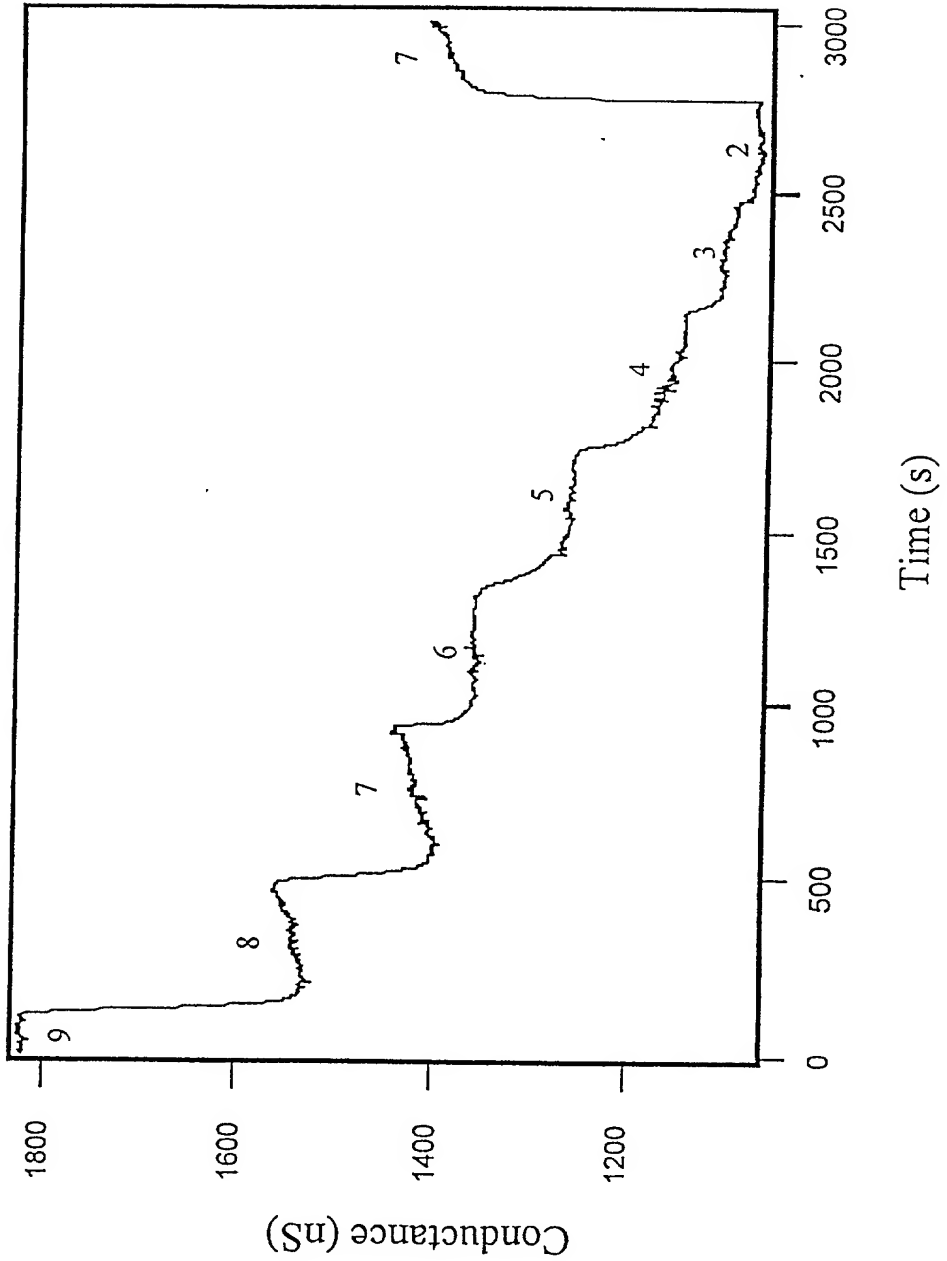




Fig 9b

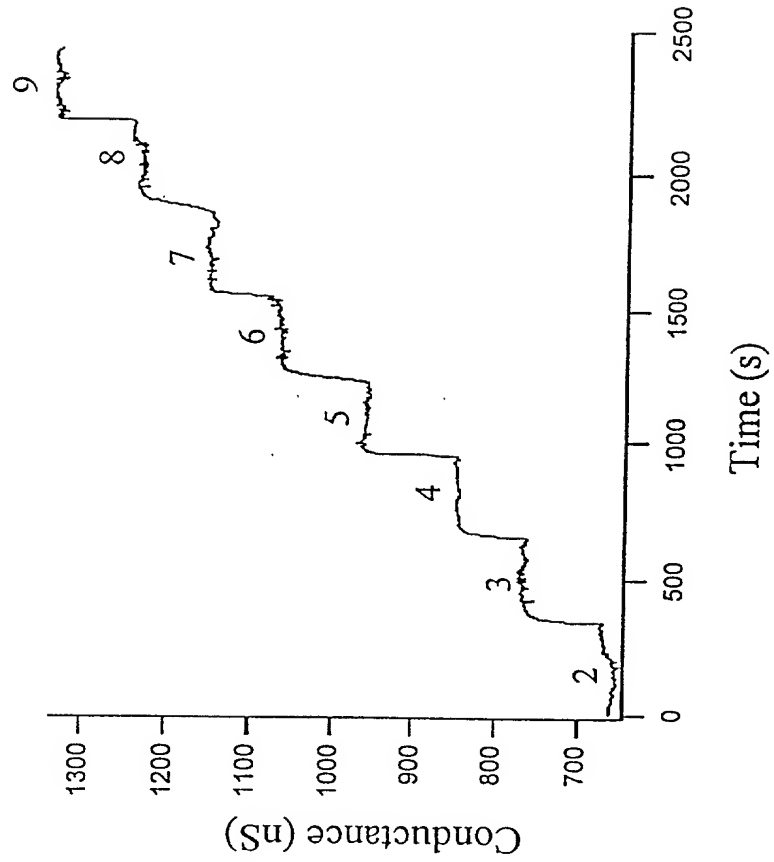


Fig. 9c

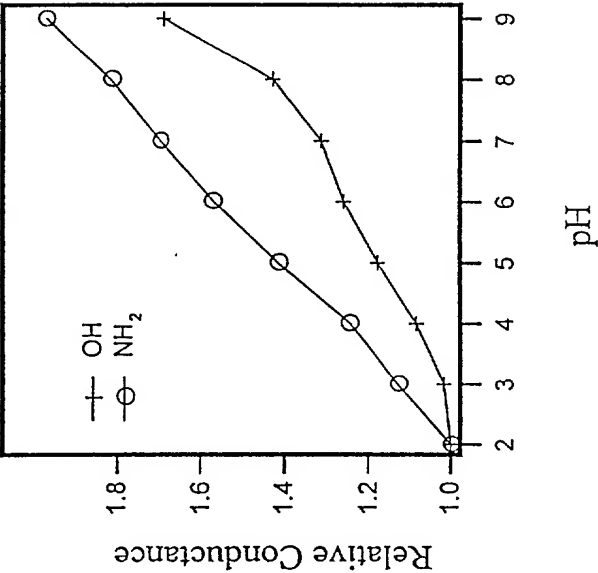


Fig. 10a

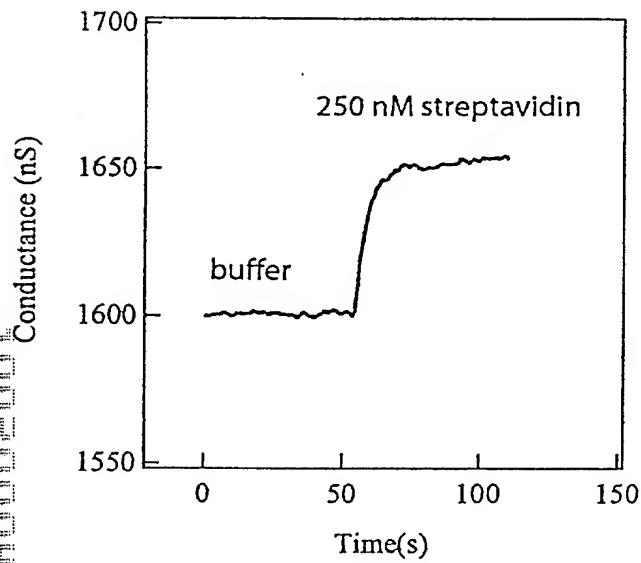


Fig. 10b.

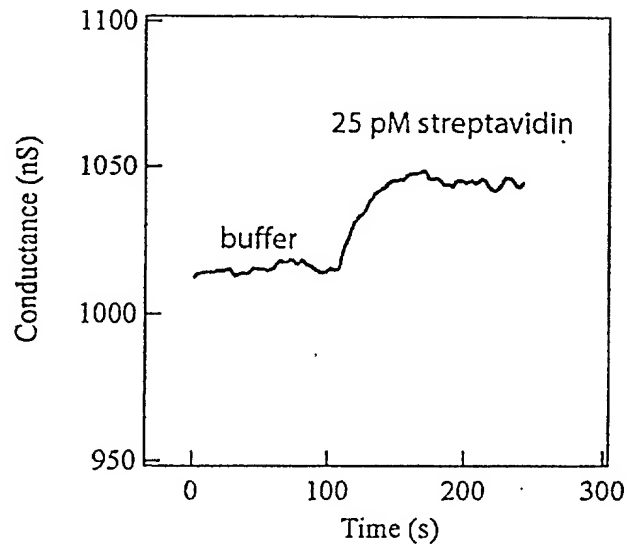


Fig 10c

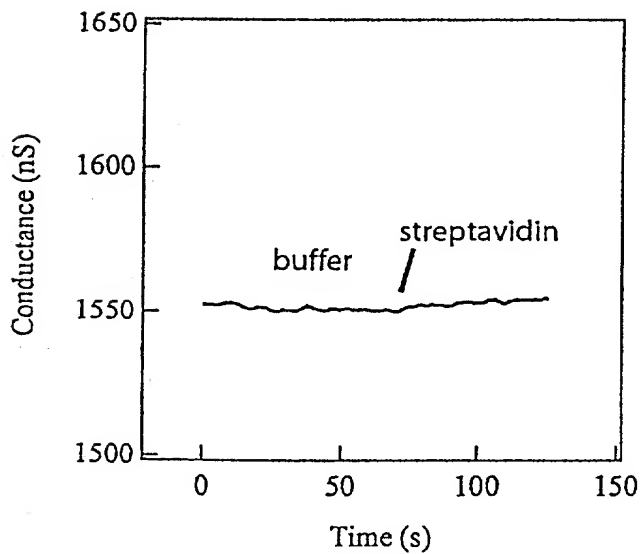
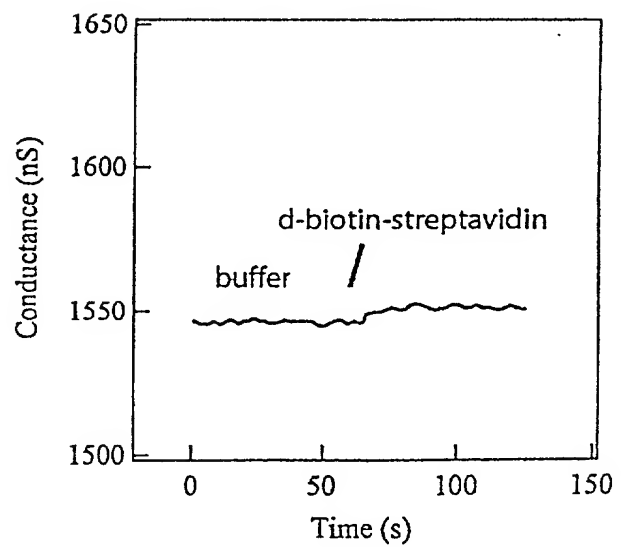


Fig. 10d



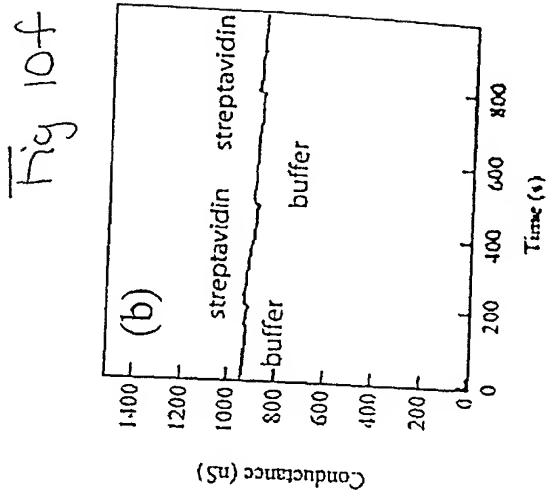
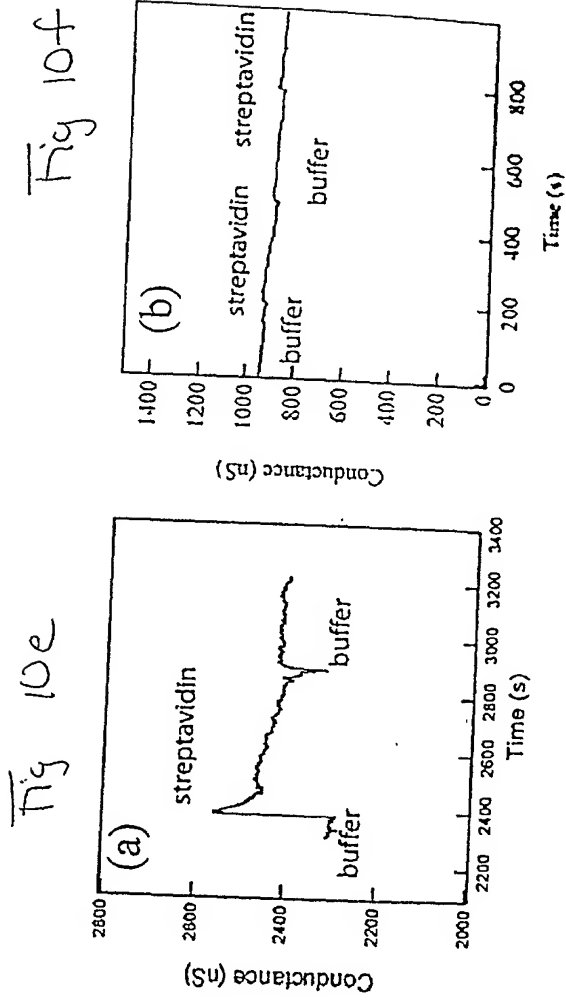


Fig 11a

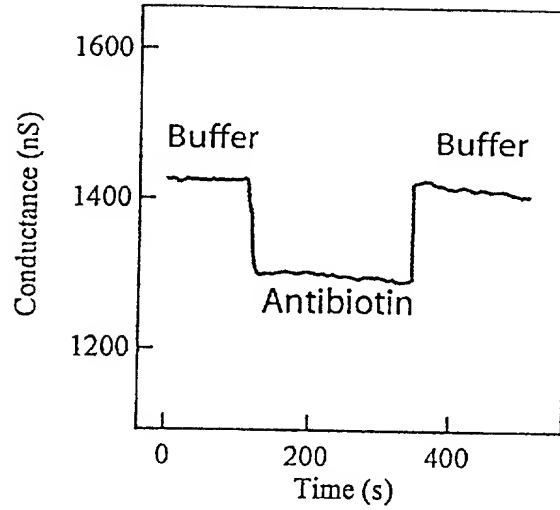


Fig 11b

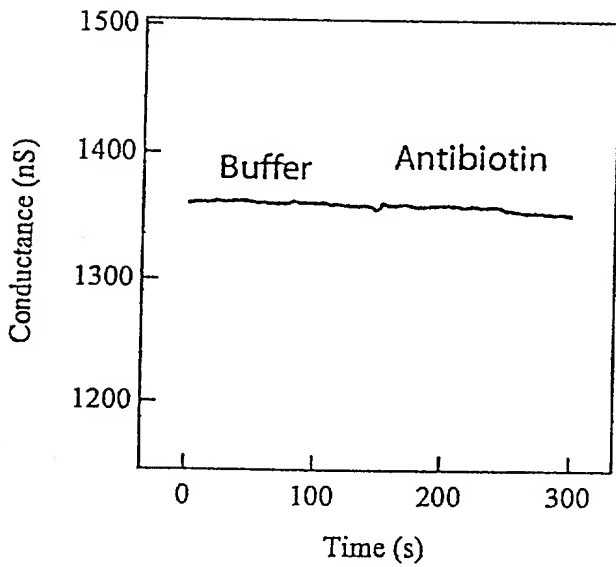


Fig 11c

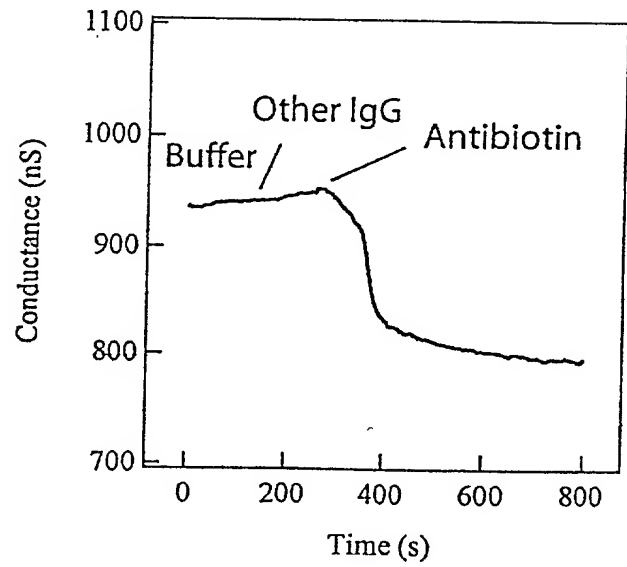


Fig 12a

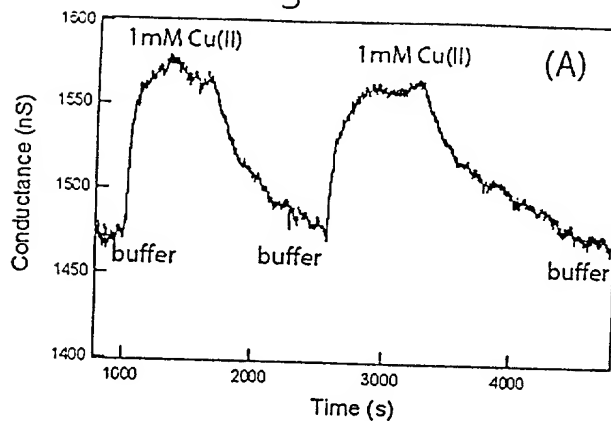


Fig 12c

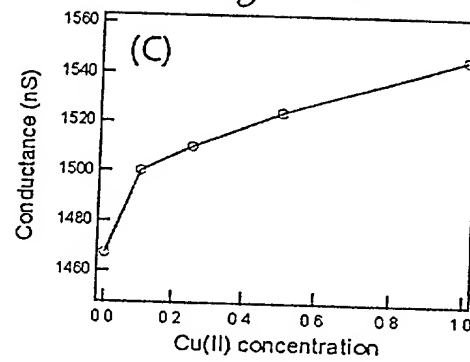


Fig 12b

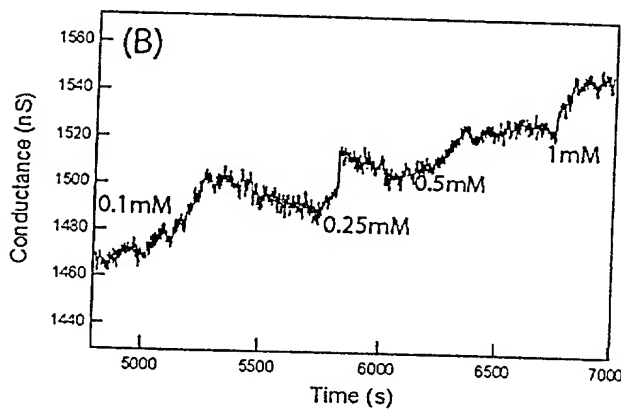


Fig 12d

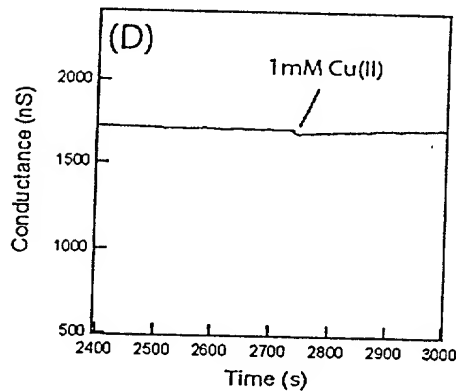
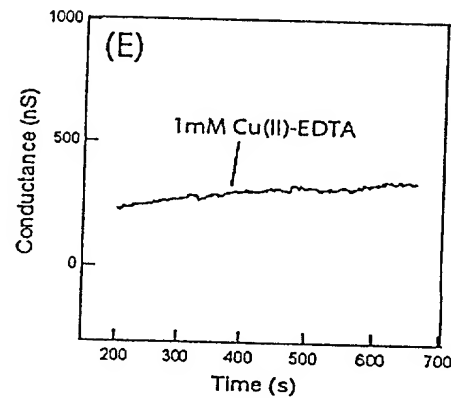


Fig 12e



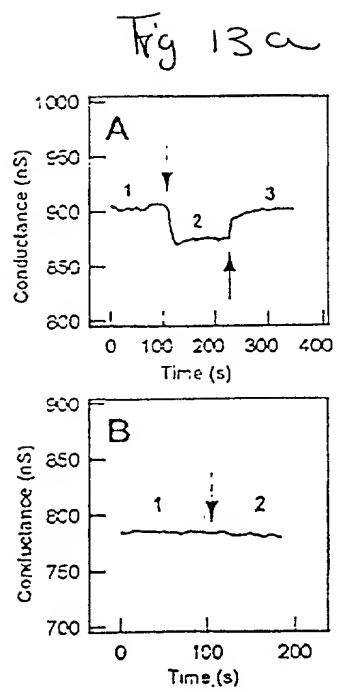


Fig 13b

## Sensitivity dependent on doping and size of nanowires

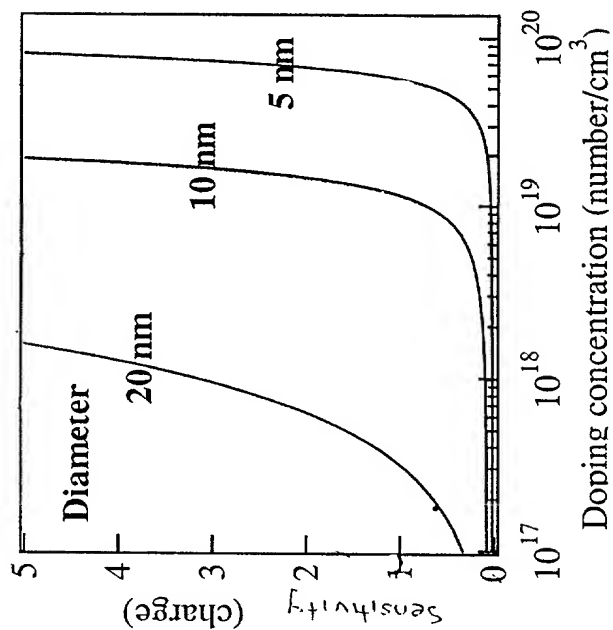
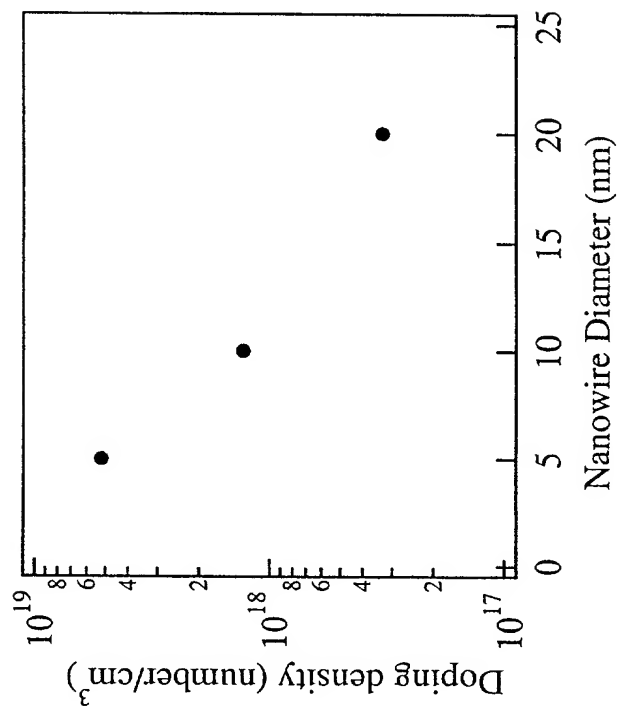


Fig 14a

# Threshold doping density for single charge detection



15  
7  
0



## InP pH Sensor

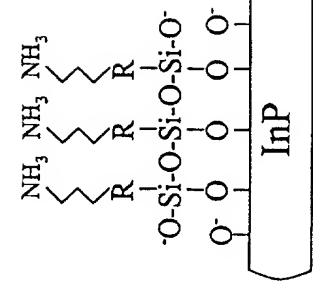
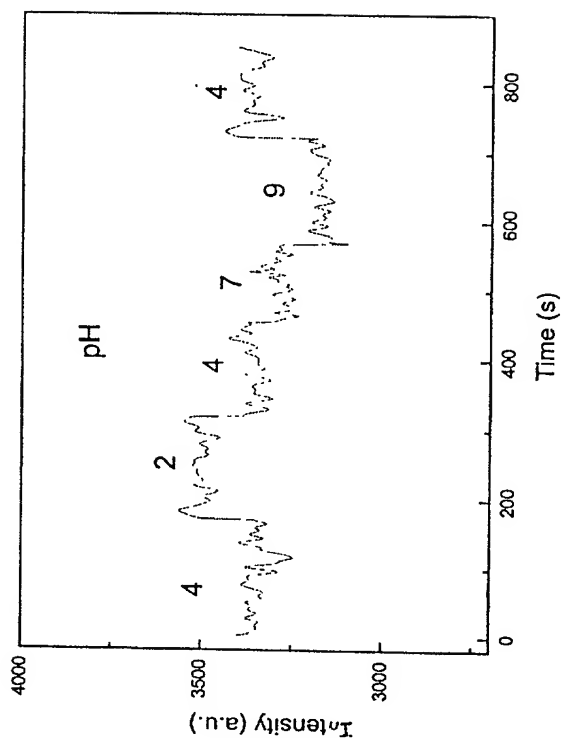
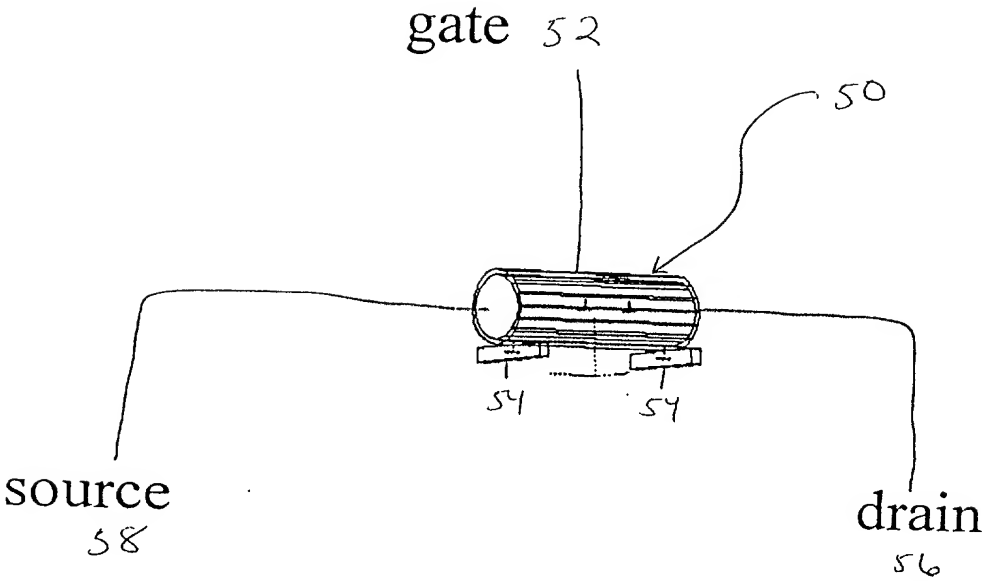


Fig 15a



F<sub>51</sub> 5b

Fig. 16a



10020004-23101

Fig. 16 b

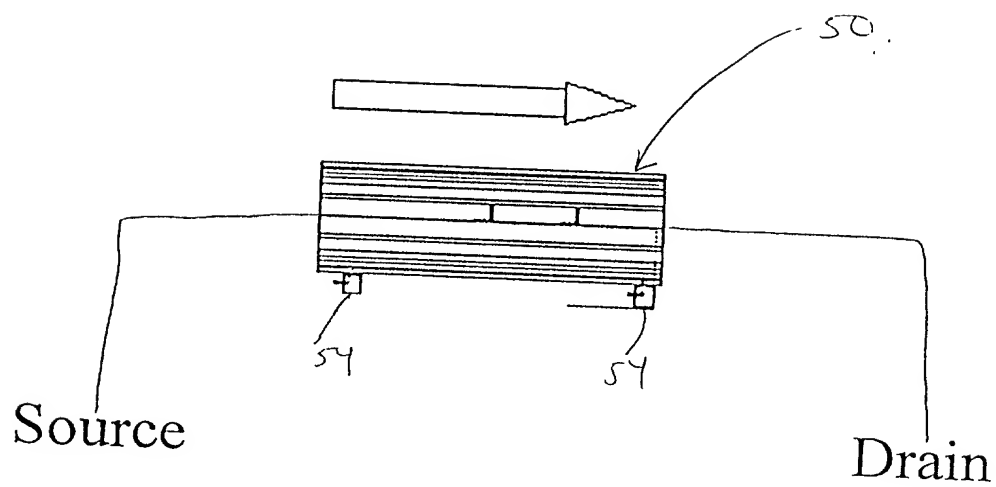


Fig. 16 c

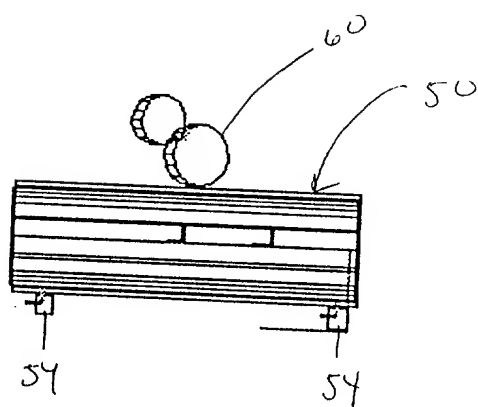


Fig. 16 d

